

FIG. 1

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1  CCAGGGCCAG GTAGCCTGTG GTGCCTCTGA TGTGGGCTTG AGGAGAGCCA TCCTCAGGGT
61 GCTGCTGCCG CCGCCGCCGC CGGGGGCTAG TCTCCTGCCG CTGCTGTAAA CAGGCACCGG
121 GAGGTGCTAT GCTAGCGGCC TCAGGGTGCC TGGGGCCCGG GTTCTGGATC GCTTCGCGCA
181 CGCTCTGGAA CAGATTCTGG AACGCTCCTC GATAGGTCTT GGACGGGGGC CGTGGGTAGA
241 CCCTTCCCAG CCCTAACTGC ACCTCCATCC TAATCGAATT CCCGCGGCCG GGAAGCTAGC
301 TAGGATCCAA GAATTCGGGG CCGCGGAGGC TGGATCGGTC CCGGTGTCTT CTATGGAGGT
361 CAAAACAGCG TGGATGGCGT CTCCAGGCGA TCTGACGGTT CACTAAACGA GCTCTGCTTA
421 TATAGACCTC CCACCGTACA CGCCTACCGC CCATTTGCGT CAATGGGGCG GAGTTGTTAC
481 GACATTTTGG AAAGTCCCGT TGATTTTGGT GCCAAAACAA ACTCCCATTG ACGTCAATGG
541 GGTGGAGACT TGGAAATCCC CGTGAGTCAA ACCGCTATCC ACGCCCATTG ATGTACTGCC
601 AAAACCGCAT CACCATGGTA ATAGCGATGA CTAATACGTA GATGTACTGC CAAGTAGGAA
661 AGTCCCATAA GGTCATGTAC TGGGCATAAT GCCAGGCGGG CCATTTACCG TCATTGACGT
721 CAATAGGGGG CGTACTTGGC ATATGATACA CTTGATGTAC TGCCAAGTGG GCAGTTTACC
781 GTAAATACTC CACCCATTGA CGTCAATGGA AAGTCCCTAT TGGCGTTACT ATGGGAACAT
841 ACGTCATTAT TGACGTCAAT GGGCGGGGGT CGTTGGGCGG TCAGCCAGGC GGGCCATTTA
901 CCGTAAGTTA TGTAACGCGG AACTCCATAT ATGGGCTATG AACTAATGAC CCCGTAATTG
961 ATTACTATTA ATAAC TAGTC AATAATCAAT GTCAACATGG CGGTAATGTT GGACATGAGC
1021 CAATATAAAT GTACATATTA TGATATGGAT ACAACGTATG CAATGGGCCA AGTCCTCGA
1081 GAATCGCGAG GTACAGCTGC CACCGTTGTT TCCACCGAAG AAACCACCGT TGCCGTAACC
1141 ACCACGACGG TTGTTGCTAA AGAAGCTGCC ACCGCCACGG CCACCGTTGT AGCCGCCGTT
1201 GTTGTATTG TAGTTGCTAC TGTTATTTCT GGCACCTCTT GGTTTTCCTC TTAAGTGAGG
1261 AGGAACATAA CCATTCTCGT TGTTGTCTGT GATGCTTAAA TTTTGCACCT GTTCGCTCAG
1321 TTCAGCCATA ATATGAAATG CTTTTCTTGT TGTTCTTACG GAATACCACT TGCCACCTAT
1381 CACCACAAC AACTTTTTTC CGTTCCTCCA TCTCTTTTAT ATTTTTCCTC TCGACTTTTA
1441 TATTTTTTTT ATCGAGGGAT CTTTGTGAAG GAACCTTACT TCTGTGGTGT GACATAATTG
1501 GACAACTAC CTACAGAGAT TTAAAGCTCT AAGGTAAATA TAAAAATTTT AAGTGTATAA
1561 TGTGTTAAAC TACTGATTCT AATTGTTTGT GTATTTTAGA TTCCAACCTA TGGAACTGAT
1621 GAATGGGAGC AGTGGTGGAA TGCCTTTAAT GAGGAAAACC TGTTTGTCTC AGAAGAAATG
1681 CCATCTAGTG ATGATGAGGC TACTGCTGAC TCTCAACATT CTACTCCTCC AAAAAAGAAG
1741 AGAAAGGTAG AAGACCCCAA GGACTTTCCT TCAGAATTGC TAAGTTTTTTT GAGTCATGCT
1801 GTGTTTAGTA ATAGAACTCT TGCTTGCTTT GCTATTTACA CCACAAAGGA AAAAGCTGCA
1861 CTGCTATACA AGAAAATTAT GGAAAAATAT TCTGTAACCT TTATAAGTAG GCATAACAGT
1921 TATAATCATA ACATACTGTT TTTTCTTACT CCACACAGGC ATAGAGTGTC TGCTATTAAAT
1981 AACTATGCTC AAAAATTGTG TACCTTTAGC TTTTAAATTT GTAAAGGGGT TAATAAGGAA
2041 TATTTGATGT ATAGTGCCTT GACTAGAGAT CATAATCAGC CATACCACAT TTGTAGAGGT
2101 TTTACTTGCT TTAACCAACC TCCCACACCT CCCCTGAAC CTGAAACATA AAATGAATGC
2161 AATTGTTGTT GTTAAC TTATTGTCAGC TTATAATGGT TACAAATAAA GCAATAGCAT
2221 CACAAATTC ACAAATAAAG CATTTTTTTC ACTGCATTCT AGTTGTGGTT TGTCCAAACT
2281 CATCAATGTA TCTTATCATG TCTGGATCTG ACATGGTAAG TAAGCTCGAC GCGGCCGATC
2341 TTAGATCTCG TCCTGAAGGA ACGGAACAGA CTGATCGAGT CCTGAAGGAA CGGAACAGAC
2401 TGATCGAGAT CTGCGATCTG CATCTCAATT AGTCAGCAAC CATAGTCCCG CCCCTAACTC
2461 CGCCCATCCC GCCCCTAACT CCGCCAGTT CCGCCATTC TCCGCCCCAT CGCTGACTAA
2521 TTTTTTTTAT TTATGCAGAG GCCGAGGCCG CCTCGGCCTC TGAGCTATTC CAGAAGTAGT
2581 GAGGAGGCTT TTTTGGAGGC CTAGGCTTTT GCAAAAAGCT TGGCATTCAG GTACTGTTGG
2641 TAAAGCCACC ATGGAAGACG CCAAAAACAT AAAGAAAGGC CCGGCGCCAT TCTATCCGCT
2701 GGAAGATGGA ACCGCTGGAG AGCAACTGCA TAAGGCTATG AAGAGATACG CCCTGGTTCC
2761 TGGAACAATT GCTTTTACAG ATGCACATAT CGAGGTGGAC ATCACTTACG CTGAGTACTT
2821 CGAAATGTCC GTTCGGTTGG CAGAAGCTAT GAAACGATAT GGGCTGAATA CAAATCACAG
2881 AATCGTCGTA TGCAGTGAAA ACTCTCTTCA ATTCTTTATG CCGGTGTTGG CCGCGTTATT
2941 TATCGGAGTT GCAGTTGCGC CCGCGAACGA CATTTATAAT GAACGTGAAT TGCTCAACAG
3001 TATGGGCATT TCGCAGCCTA CCGTGGTGTG CGTTTCCAAA AAGGGGTTGC AAAAAATTTT
3061 GAACGTGCAA AAAAAGCTCC CAATCATCCA AAAAATTATT ATCATGGATT CTAAAACGGA
3121 TTACCAGGGA TTTCAGTCGA TGTACACGTT CGTCACATCT CATCTACCTC CCGTTTTTAA

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FIG. 2A

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3181 TGAATACGAT TTTGTGCCAG AGTCCTTCGA TAGGGACAAG ACAATTGCAC TGATCATGAA
3241 CTCCTCTGGA TCTACTGGTC TGCCTAAAGG TGTCGCTCTG CCTCATAGAA CTGCCTGCGT
3301 GAGATTCTCG CATGCCAGAG ATCCTATTTT TGGCAATCAA ATCATTCCGG ATACTGCGAT
3361 TTTAAGTGTT GTTCCATTCC ATCACGGTTT TGGAAATGTT ACTACACTCG GATATTTGAT
3421 ATGTGGATTT CGAGTCGTCT TAATGTATAG ATTTGAAGAA GAGCTGTTTC TGAGGAGCCT
3481 TCAGGATTAC AAGATTCAAA GTGCGCTGCT GGTGCCAACC CTATTCTCCT TCTTCGCCAA
3541 AAGCACTCTG ATTGACAAAT ACGATTATAT TAATTTACAC GAAATTGCTT CTGGTGGCGC
3601 TCCCCTCTCT AAGGAAGTCG GGAAGCGGT TGCCAAGAGG TTCCATCTGC CAGGTATCAG
3661 GCAAGGATAT GGGCTCACTG AGACTACATC AGCTATTCTG ATTACACCCG AGGGGGATGA
3721 TAAACCGGGC GCGGTCGGTA AAGTTGTTCC ATTTTTTGAA GCGAAGGTTG TGGATCTGGA
3781 TACCGGGAAC ACGCTGGGCG TTAATCAAAG AGGCGAAGT TGTGTGAGAG GTCCTATGAT
3841 TATGTCCGGT TATGTAAACA ATCCGGAAGC GACCAACGCC TTGATTGACA AGGATGGATG
3901 GCTACATTCT GGAGACATAG CTTACTGGGA CGAAGACGAA CACTTCTTCA TCGTTGACCG
3961 CCTGAAGTCT CTGATTAAGT ACAAAGGCTA TCAGGTGGCT CCCGCTGAAT TGGAAATCCAT
4021 CTTGCTCCAA CACCCCAACA TCTTCGACGC AGGTGTCGCA GGTCTTCCCG ACGATGACGC
4081 CGGTGAACCT CCCGCCGCCG TTGTTGTTTT GGAGCACGGA AAGACGATGA CGGAAAAAGA
4141 GATCGTGGAT TACGTCGCCA GTCAAGTAAC AACCGGAAA AAGTTGCGCG GAGGAGTTGT
4201 GTTTGTGGAC GAAGTACCGA AAGTCTTAC CGGAAAACCT GACGCAAGAA AAATCAGAGA
4261 GATCCTCATA AAGGCCAAGA AGGGCGGAAA GATCGCCGTG TAATTCTAGA GCTGAGAACT
4321 TCAGGGTGAG TTTGGGGACC CTTGATTGTT CTTTCTTTTT CGCTATTGTA AAATTCATGT
4381 TATATGGAGG GGGCAAAGTT TTCAGGTGT TGTTTAGAAT GGGAAGATGT CCCTTGTATC
4441 ACCATGGACC CTCATGATAA TTTTGTTCCT TTCACTTCT ACTCTGTTGA CAACCATGT
4501 CTCCTCTTAT TTTCTTTTCA TTTTCTGTAA CTTTTTCGTT AAACCTTAGC TTGCATTTGT
4561 AACGAATTTT TAAATTCAC TTTGTTTATT TGTCAGATTG TAAGTACTTT CTCTAATCAC
4621 TTTTTTTTCA AGGCAATCAG GGTATATTAT ATTGTACTTC AGCACAGTTT TAGAGAACAA
4681 TTGTTATAAT TAAATGATAA GGTAGAATAT TTCTGCATAT AAATTCTGGC TGGCGTGGAA
4741 ATATTCTTAT TGGTAGAAAC AACTACACCC TGGTCATCAT CCTGCCTTTC CTTTATGGT
4801 TACAATGATA TACACTGTTT GAGATGAGGA TAAAATACTC TGAGTCCAAA CCGGGCCCTT
4861 CTGCTAACCA TGTTCATGCC TTCTTCTCTT TCCTACAGCT CCTGGGCAAC GTGCTGGTTG
4921 TTGTGCTGTC TCATCATTTT GGCAAAGAAT TAATTCACTC CTCAGGTGCA GGCTGCCTAT
4981 CAGAAGGTGG TGGCTGGTGT GGCCAATGCC CTGGCTCACA AATACCACTG AGATCGATCT
5041 TTTTCCCTCT GCCAAAATT ATGGGGACAT CATGAAGCCC CTTGAGCATC TGACTTCTGG
5101 CTAATAAAGG AAATTTATTT TCATTGCAAT AGTGTGTTGG AATTTTTTGT GTCTCTCACT
5161 CGGAAGGATT AATTAAGGCC GCCCTATTTT TATAGGTTAA TGTCATGATA ATAATGGTTT
5221 CTTAGACGTC AGGTGGCACT TTTCCGGGAA ATGTGCGCGG AACCCCTATT TGTTTATTTT
5281 TCTAAATACA TTCAAATATG TATCCGCTCA TGAGACAATA ACCCTGATAA ATGCTTCAAT
5341 AATATTGAAA AAGGAAGAGT ATGAGTATTC AACATTTCCG TGTCGCCCTT ATTCCCTTTT
5401 TTGCGGCATT TTGCCTTCCT GTTTTTGCTC ACCCAGAAAC GCTGGTGAAA GTAAAAGATG
5461 CTGAAGATCA GTTGGGTGCA CGAGTGGGTT ACATCGAACT GGATCTCAAC AGCGGTAAGA
5521 TCCTTGAGAG TTTTCGCCCC GAAGAACGTT TTCCAATGAT GAGCACTTTT AAAGTTCTGC
5581 TATGTGGCGC GGTATTATCC CGTGTGACG CCGGGCAAGA GCAACTCGGT CGCCGCATAC
5641 ACTATTCTCA GAATGACTTG GTTGAGTACT CACCAGTCAC AGAAAAGCAT CTTACGGATG
5701 GCATGACAGT AAGAGAATTA TGCAGTGCTG CCATAACCAT GAGTGATAAC ACTGCGGCCA
5761 ACTTACTTCT GACAACGATC GGAGGACCGA AGGAGCTAAC CGCTTTTTTG CACAACATGG
5821 GGGATCATGT AACTCGCCTT GATCGTTGGG AACCGGAGCT GAATGAAGCC ATACCAAACG
5881 ACGAGCGTGA CACCACGATG CCTGTAGCAA TGGCAACAAC GTTGCGCAAA CTATTAACCTG
5941 GCGAACTACT TACTCTAGCT TCCCGGCAAC AATTAATAGA CTGGATGGAG GCGGATAAAG
6001 TTGCAGGACC ACTTCTGCGC TCGGCCCTTC CGGTGGCTG GTTTATTGCT GATAAATCTG
6061 GAGCCCGTGA GCGTGGGTCT CGCGGTATCA TTGCAGCACT GGGGCCAGAT GGTAAGCCCT
6121 CCCGTATCGT AGTTATCTAC ACGACGGGGA GTCAGGCAAC TATGGATGAA CGAAATAGAC
6181 AGATCGCTGA GATAGGTGCC TCACTGATTA AGCATTGGTA ACTGTCAGAC CAAGTTTACT
6241 CATATATACT TTAGATTGAT TTAAACTTC ATTTTAAATT TAAAAGGATC TAGGTGAAGA
6301 TCCTTTTTGA TAATCTCATG ACCAAAATCC CTTAACGTGA GTTTTCGTTC CACTGAGCGT

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FIG. 2B

6361	CAGACCCCGT	AGAAAAAGATC	AAAGGATCTT	CTTGAGATCC	TTTTTTTCTG	CGCGTAATCT
6421	GCTGCTTGCA	AACAAAAAAA	CCACCGCTAC	CAGCGGTGGT	TTGTTTGCCG	GATCAAGAGC
6481	TACCAACTCT	TTTCCGAAG	GTAAGTGGCT	TCAGCAGAGC	GCAGATACCA	AATACTGTTT
6541	TTCTAGTGTA	GCCGTAGTTA	GGCCACCACT	TCAAGAACTC	TGTAGCACCG	CCTACATACC
6601	TCGCTCTGCT	AATCCTGTTA	CCAGTGGCTG	CTGCCAGTGG	CGATAAGTCG	TGCTTTACCG
6661	GGTTGGACTC	AAGACGATAG	TTACCGGATA	AGGCGCAGCG	GTCGGGCTGA	ACGGGGGGTT
6721	CGTGACACAC	GCCCAGCTTG	GAGCGAACGA	CCTACACCGA	ACTGAGATAC	CTACAGCGTG
6781	AGCTATGAGA	AAGCGCCACG	CTTCCCAGAG	GGAGAAAGGC	GGACAGGTAT	CCGGTAAGCG
6841	GCAGGGTCGG	AACAGGAGAG	CGCACGAGGG	AGCTTCCAGG	GGGAAACGCC	TGGTATCTTT
6901	ATAGTCCTGT	CGGGTTTCGC	CACCTCTGAC	TTGAGCGTCG	ATTTTTGTGA	TGCTCGTCAG
6961	GGGGGCGGAG	CCTATGGAAA	AACGCCAGCA	ACGCGGCCTT	TTTACGGTTC	CTGGCCTTTT
7021	GCTGGCCTTT	TGCTCACATG	TTCTTTCTCT	CGTTATCCCC	TGATTCTGTG	GATAACCGTA
7081	TTACCGCCTT	TGAGTGAGCT	GATACCGCTC	GCCGCAGCCG	AACGACCGAG	CGCAGCGAGT
7141	CAGTGAGCGA	GGAAGCGGAA	GAGCGCCCAA	TACGCAAACC	GCCTCTCCCC	GCGCGTTGGC
7201	CGATTCAATTA	ATGCAGCTGA	ACGGTCTGGT	TATAGGTACA	TTGAGCAACT	GACTGAAATG
7261	CCTCAAAATG	TTCTTTACGA	TGCCATTGGG	ATATATCAAC	GGTGGTATAT	CCAGTGATTT
7321	TTTTCTCCAT	TTAGCTTCC	TTAGCTCCTG	AAAATCTCGC	CAAGCTTGGT	CGAGCTGGAT
7381	ACTTCCCGTC	CGCCAGGGGG	ACATGCCGGC	GATGCTGAAG	GTCGCGCGCA	GTCCCGATGA
7441	AGAGCCCGGT	AACAGAGCTC	GGCGCGCCGT	TTAAACCAGA	CATAAGATAC	ATTGATGAGT
7501	TTGGACAAAC	CACAACTAGA	ATGCAGTGAA	AAAAATGCTT	TATTTGTGAA	ATTTGTGATG
7561	CTATTGCTTT	ATTTGTAACC	ATTATAAGCG	GCAATAAACA	AGTTAAACAAC	AACAATTGCA
7621	TTCATTTTAT	GTTTCAGGTT	CAGGGGGAGG	TGTGGGAGGT	TTTTTAAAGC	AAGTAAAACC
7681	TCTACAAATG	TGGTATGGCT	GATTATGATC	TCTAGTCAAG	GCACTATACA	TCAAATATTC
7741	CTTATTAAAC	CCTTTACAAA	TTAAAAAGCT	AAAGGTACAC	AATTTTGTAG	CATAGTTATT
7801	AATAGCAGAC	ACTCTATGCC	TGTGTGGAGT	AAGAAAAAAC	AGTATGTTCT	GATTATAACT
7861	GTTATGCCTA	CTTATAAAGG	TTACAGAATA	TTTTTCCATA	ATTTTCTTGT	ATAGCAGTGC
7921	AGCTTTTTTCC	TTTGTGGTGT	AAATAGCAAA	GCAAGCAAGA	GTTCTATTAC	TAAACACAGC
7981	ATGACTCAAA	AAACTTAGCA	ATTCTGAAGG	AAAGTCCTTG	GGGTCTTCTA	CCTTTCTCTT
8041	CTTTTTTGGA	GGAGTAGAAT	GTTGAGATGC	AGCAGTAGCC	TCATCATCAC	TAGATGGCAT
8101	TTCTTCTGAG	CAAAACAGGT	TTTCCTCATT	AAAGGCATTC	CACCACTGCT	CCCATTTCATC
8161	AGTTCCATAG	GTTGGAATCT	AAAATACACA	AACAATTAGA	ATCAGTAGTT	TAACACATTA
8221	TACACTTAAA	AATTTTATAT	TTACCTTAGA	GCTTTAAATC	TCTGTAGGTA	GTTTGTCCAA
8281	TTATGTCACA	CCACAGAAGT	AAGGTTCCCT	CACAAAGATC	CTCTGTACAT	CAAGATCCGC
8341	TTTACATTTT	CAGCTGTTTT	TCCAGTCCGC	AGATGATCAG	TTCCAGGCCG	AACAGGAAGG
8401	CTGGCTCTGC	ACCCTGGTGA	TCAAACAGTT	CGATAGCCTG	GCGCAGCAGA	GGAGGCATGC
8461	TATCAGTAGT	AGGTGTTTCC	CTTTCTTCTT	TAGCGACCTG	ATGCTCCTGA	TCTTCCAGCA
8521	CGCAACCCAG	AGTAAAATGT	CCCACAGCGG	CCGCGGGAAT	TCGATTTTAC	TGTGTGTGGA
8581	AATAGATGGG	CTTGACTTTT	CCAGAAAGGA	TCTTGGGCAC	TTGCACAGAG	ATGATCTCTG
8641	CCATCATTTT	AGGAAAGTCC	ACGCTCACCA	TATGGGACTT	GATTAGCAGG	TCAAAAAGTGA
8701	ATTGATGCAG	CTCTCTTGCA	ATAGGCTGCA	CAGAATCCAG	GAGCTTGGTG	AGCTGGTAGA
8761	AGCGCCTTGA	GCAGGATGTG	GGATTTTTTT	TTTTGCATGC	AATGATGCGA	TCAAGTTCCT
8821	TGATGTAGTT	CATTCGAAGT	TCATCAAAGA	ATTTTTGATT	TTTCAGCCCA	TCCACTGGAA
8881	TAATGCTGAA	GAGTAGCAGT	GCTTTTCATG	ACAGGAATTC	CTGGGGGGTT	ATCTGGAGCC
8941	ATCCAAACTC	TTGAGAAAGG	TGCCTCATCC	TCACGCACTG	GCTGTACATT	CGAGACTTGT
9001	GCATGCGATA	CTCATTGAAA	ACCAGGTCAG	GTGCAAAGTA	GAGCATCCCTA	GAGTTGACAT
9061	TAGTGAAGGA	CCGCCAACCC	ATGGCAAATA	CCATCAGTCC	CATCCAGGAA	TACTGAATGA
9121	CTGCCATCTG	GTCATCCACA	TGCAAGTTGC	GGAAGCCAGG	CAAGGCCCTG	GCCCACCTGA
9181	CCACATGTAC	AAGCTGTCTC	TCGCCAAGCT	CGTTGAGACT	AGATAACAAG	GCAGCAAAGG
9241	AATCAGGCTG	GTTGTTGTCA	TGTCCGGCAC	ACACCACTCC	TGGCTCAATG	GCTTCCAGGA
9301	CATTAAAGAAA	GATAGGTTGA	CATTCCATAGC	CTTCAATGTG	TGATACAGTC	ATCTTCTGGG
9361	ATGGGTCCTC	AGTGGGGCTA	CCAGCACTGG	AGTTTTCTCC	TTCTTCTCTGT	AGTTTGAGAT
9421	TTCCAAGTTT	CTTCAGCTTA	CGAGCTCCCA	GAGTCATCCC	TGCTTCATAA	CATTTCCGGA
9481	GACGACACGA	TGGACAATTT	TTCTTCCGAA	ATTTATCAAT	GGTGCAATCA	TTTCTGCTGG

FIG. 2C

9541	CACATAGATA	CTTCTGTTTC	CCTTCCGCAG	CTCTTTTGAA	GAAGACCTTG	CAGCTGCCAC
9601	AAGTGAGAGC	TCCGTAGTGA	CAACCAGAAG	CTTCATCTCC	ACAGATCAGG	CAGGTCTTCT
9661	GGGGTGGGAA	GTAATAGTCG	ATGGGTAAAA	CGTGGTCCCT	GGTACTGTCC	AAACGCATGT
9721	CCCCATAAGG	TCCGGAGTAG	TTCTCCATCC	AAGGTCCCAT	TTCACTTTTA	ACACAACTGG
9781	GACTGGGATA	GGGGACTCTG	TTCACAACTC	CGCCAGGATA	CCACACTTCA	GAGGCAGAGA
9841	AGTCACCCCTC	CTGGCTTGCC	AGCCCCCTGAG	GGGGCCGAGT	GTAGCCATAG	GGGGCTACAG
9901	GCCCAGCATC	GCTTGGGCTA	CTGCTGCCGC	CCCCGCCTCC	TGGCCCATAT	AATTGGCCTT
9961	CTTCAGCTGT	GAAGAGAGTA	TGCCAGGAAG	AAGAGGCGGT	GGCTGGGGGC	GATCCAGTGC
10021	TGGGTCCGCG	TACACTCCCT	CCATGTAGGC	TAGCCAAGTC	CCCATAGCGG	CATTGCGCTG
10081	CCGCCGCAGC	CCAGGCGCTG	CCGTAGTCCA	ACGGGTTCCTC	CAGCTTGATG	CGGGCGTGTG
10141	GATGGGTAGG	GGGCGGGGGG	TGCGGCGGCC	CGGACAGAGC	GAGCGGAAAAG	TTGTAGTAGT
10201	CGCGATTCTG	GTATGCTGCT	GCCTCGTCTA	CTGCTCCAGA	CTTATACAGA	GACAGTGAGG
10261	ACGGGATCTC	AAGTGTCCCA	GAGCTACCTG	CTTCACTGCT	GCCAGAGCAG	CCCAGACTCT
10321	CACCTTCCAA	CCCTTTGGCG	TAACCTCCCT	TGAAAGAGGA	ATACTCAGCA	GTCTCTTCAG
10381	TGCCTTTGCC	CGGGCCTTCG	TCCAGGGAAA	GACCTTTGCA	TTCGGCCAGA	GGCGCACAAAG
10441	GAGTGGGACG	CACGGCGGGT	GGACCTCCCA	GGAGCGACGC	GTACATGCAG	TCGCCCCGAA
10501	GCTGCTCCCC	TGGACTCAGA	TGTTCCAGTG	CTTCCACACC	CAACCCCATG	GACACAGACA
10561	CTGCTTTACA	CAACTCCTTG	GCACTGTCAG	ATATGGTCGA	ATTGCCCCCT	AGGTAACATAT
10621	CCTTGAGAGGA	AGAGGGAGCC	CCAGTGGCCT	CCCTTGCTCT	CACGCTGCTG	CTGCCTTCGG
10681	ATATTACCTC	CTGCTGCTGT	TGCTGCTGCT	GCTGCTGCTG	CTGCTGCTGC	TGTTGCTGTT
10741	GCTGCTGCTG	CTGAAGAAGT	TGCATGGTGC	CGGCCTCGCT	CAGGATGTCT	TTAATGTCTG
10801	CGGAGCAGCT	GCTTAAGCCT	GGGAAAGTGG	GGCCAGTAG	GGACAACGTG	GATGGGGCAG
10861	CTGAGTCATC	CTGATCTGGA	GGAGCTGGTG	GCTGCTGCGG	CAGCCCCCTG	CCAGGAGCCG
10921	TGGCAGCTCC	AGGCTCCGGG	AGGCAAAAAC	TCTCAGGGTG	GCCCTCGGAG	GCTGACTGCT
10981	GCTGTGAAGG	CTGCTGTTCC	TCCT			

FIG. 2D

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2641      ATGGAAGACG CCAAAAACAT AAAGAAAGGC CCGGCGCCAT TCTATCCGCT
2701 GGAAGATGGA ACCGCTGGAG AGCAACTGCA TAAGGCTATG AAGAGATACG CCCTGGTTCC
2761 TGGAACAATT GCTTTTACAG ATGCACATAT CGAGGTGGAC ATCACTTACG CTGAGTACTT
2821 CGAAATGTCC GTTCGGTTGG CAGAAGCTAT GAAACGATAT GGGCTGAATA CAAATCACAG
2881 AATCGTCGTA TGCAGTGAAA ACTCTCTTCA ATTCTTTATG CCGGTGTTGG GCGCGTTATT
2941 TATCGGAGTT GCAGTTGCGC CCGCGAACGA CATTTATAAT GAACGTGAAT TGCTCAACAG
3001 TATGGGCATT TCGCAGCCTA CCGTGGTGTT CGTTTCCAAA AAGGGGTTGC AAAAAATTTT
3061 GAACGTGCAA AAAAAGCTCC CAATCATCCA AAAAATTATT ATCATGGATT CTAAAACGGA
3121 TTACCAGGGA TTTCAGTCGA TGTACACGTT CGTCACATCT CATCTACCTC CCGGTTTTAA
3181 TGAATACGAT TTTGTGCCAG AGTCCTTCGA TAGGGACAAG ACAATTGCAC TGATCATGAA
3241 CTCCTCTGGA TCTACTGGTC TGCCTAAAGG TGTCGCTCTG CCTCATAGAA CTGCCTGCGT
3301 GAGATTCTCG CATGCCAGAG ATCCTATTTT TGGCAATCAA ATCATTCCGG ATACTGCGAT
3361 TTTAAGTGTT GTTCCATTCC ATCACGGTTT TGGAAATGTTT ACTACACTCG GATATTTGAT
3421 ATGTGGATTT CGAGTCGTCT TAATGTATAG ATTTGAAGAA GAGCTGTTTC TGAGGAGCCT
3481 TCAGGATTAC AAGATTCAAA GTGCGCTGCT GGTGCCAACC CTATTCTCCT TCTTCGCCAA
3541 AAGCACTCTG ATTGACAAAT ACGATTTATC TAATTTACAC GAAATTGCTT CTGGTGCGC
3601 TCCCCTCTCT AAGGAAGTCG GGGAAGCGGT TGCCAAGAGG TTCCATCTGC CAGGTATCAG
3661 GCAAGGATAT GGGCTCACTG AGACTACATC AGCTATTCTG ATTACACCCG AGGGGGATGA
3721 TAAACCGGGC GCGGTCGGTA AAGTTGTTC ATTTTTTGAA GCGAAGGTTG TGGATCTGGA
3781 TACCGGGAAA ACGCTGGGCG TTAATCAAAG AGGCGAACTG TGTGTGAGAG GTCCTATGAT
3841 TATGTCCGGT TATGTAAACA ATCCGGAAGC GACCAACGCC TTGATTGACA AGGATGGATG
3901 GCTACATTCT GGAGACATAG CTTACTGGGA CGAAGACGAA CACTTCTTCA TCGTTGACCG
3961 CCTGAAGTCT CTGATTAAGT ACAAAGGCTA TCAGGTGGCT CCCGCTGAAT TGGAATCCAT
4021 CTTGCTCCAA CACCCAACA TCTTCGACGC AGGTGTCGCA GGTCTTCCCG ACGATGACGC
4081 CGGTGAACCT CCCGCCGCCG TTGTTGTTTT GGAGCACGGA AAGACGATGA CGGAAAAAGA
4141 GATCGTGGAT TACGTCGCCA GTCAAGTAAC AACCGCGAAA AAGTTGCGCG GAGGAGTTGT
4201 GTTTGTGGAC GAAGTACCGA AAGGTCTTAC CGGAAAACCTC GACGCAAGAA AAATCAGAGA
4261 GATCCTCATA AAGCCAAGA AGGGCGGAAA GATCGCCGTG TAA

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FIG. 3

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2341      GATCTCG TCCTGAAGGA ACGGAACAGA CTGATCGAGT CCTGAAGGAA CGGAACAGAC
2401 TGATCGAGAT CTGCGATCTG CATCTCAATT AGTCAGCAAC CATAGTCCCG CCCCTAACTC
2461 CGCCCATCCC GCCCCTAACT CCGCCCAGTT CCGCCCATT CCGCCCCAT CGCTGACTAA
2521 TTTTTTTTAT TTATGCAGAG GCCGAGGCCG CCTCGGCCTC TGAGCTATTC CAGAAGTAGT
2581 GAGGAGGCTT TTTTGGAGGC CTAGGCTTTT GCAAA
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FIG. 4

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268 ATGGAGGTGC AGTTAGGGCT GGAAGGGTC TACCCACGGC CCGGTCCAA GACCTATCGA
208 GGAGCGTTCC AGAATCTGTT CCAGAGCGTG CGCGAAGCGA TCCAGAACCC GGGCCCCAGG
148 CACCCTGAGG CCGCTAGCAT AGCACCTCCC GGTGCCTGTT TACAGCAGCG GCAGGAGACT
88 AGCCCCCGGC GCGGCGGGCG GCAGCAGCAC CCTGAGGATG GCTCTCCTCA AGCCCACATC
28 AGAGGCACCA CAGGCTACCT GGCCCTGGAG GAGGAACAGC AGCCTTCACA GCAGCAGTCA
10972 GCCTCCGAGG GCCACCCTGA GAGTTTTTGC CTCCCGGAGC CTGGAGCTGC CACGGCTCCT
10912 GGCAAGGGGC TGCCGCAGCA GCCACCAGCT CCTCCAGATC AGGATGACTC AGCTGCCCCA
10852 TCCACGTTGT CCCTACTGGG CCCCACTTTC CCAGGCTTAA GCAGCTGCTC CGCAGACATT
10792 AAAGACATCC TGAGCGAGGC CGGCACCATG CAACTTCTTC AGCAGCAGCA GCAACAGCAA
10732 CAGCAGCAGC AGCAGCAGCA CAACAGCAGC AGGAGGTAAT ATCCGAAGGC
10672 AGCAGCAGCG TGAGAGCAAG GGAGGCCACT GGGGCTCCCT CTTCTCCAA GGATAGTTAC
10612 CTAGGGGGCA ATTGACCAT ATCTGACAGT GCCAAGGAGT TGTGTAAAGC AGTGTCTGTG
10552 TCCATGGGGT TGGGTGTGGA AGCACTGGAA CATCTGAGTC CAGGGGAGCA GCTTCGGGGC
10492 GACTGCATGT ACGCGTCGCT CCTGGGAGGT CCACCCGCCG TGCGTCCCAC TCCTTGTGCG
10432 CCTCTGGCCG AATGCAAAGG TCTTTCCTTG GACGAAGGCC CGGGCAAAGG CACTGAAGAG
10372 ACTGCTGAGT ATTCCTCTTT CAAGGGAGGT TACGCCAAAG GGTGGAAGG TGAGAGTCTG
10312 GGCTGCTCTG GCAGCAGTGA AGCAGGTAGC TCTGGGACAC TTGAGATCCC GTCCTCACTG
10252 TCTCTGTATA AGTCTGGAGC AGTAGACGAG GCAGCAGCAT ACCAGAATCG CGACTACTAC
10192 AACTTTCGCG TCGCTCTGTC CGGGCCGCCG CACCCCCCGC CCCCTACCCA TCCACACGCC
10132 CGCATCAAGC TGGAGAACCC GTTGGACTAC GGCAGCGCCT GGGCTGCGGC GGCAGCGCAA
10072 TGCCGCTATG GGGACTTGGC CCACCTACTG GGAGGGAGTG TAGCCGGACC CAGCATGGA
10012 TCGCCCCCAG CCACCGCCTC TTCTTCTTGG CATACTCTCT TCACAGCTGA AGAAGGCCAA
9952 TTATATGGGC CAGGAGGCGG GGGCGGCAGC AGTAGCCCAA GCGATGCTGG GCCTGTAGCC
9892 CCCTATGGCT ACACTCGGCC CCCTCAGGGG CTGGCAAGCC AGGAGGGTGA CTCTCTGCC
9832 TCTGAAGTGT GGTATCCTGG CGGAGTTGTG AACAGAGTCC CCTATCCCAG TCCCAGTTGT
9772 GTTAAAAGTG AAATGGGACC TTGGATGGAG AACTACTCCG GACCTTATGG GGACATGCGT
9712 TTGGACAGTA CCAGGGACCA CGTTTTACCC ATCGACTATT ACTTCCCACC CCAGAAGACC
9652 TGCTTGATCT GTGGAGATGA AGCTTCTGGT TGCTACTACG GAGCTCTCAC TTGTGGCAGC
9592 TGCAAGGTCT TCTTCAAAG AGCTGCGGAA GGGAAACAGA AGTATCTATG TGCCAGCAGA
9532 AATGATTGCA CCATTGATAA ATTTCCGAGG AAAAATTGTC CATCGTGTCT TCTCCGAAA
9472 TGTTATGAAG CAGGGATGAC TCTGGGAGCT CGTAAGCTGA AGAACTTGG AAATCTCAA
9412 CTACAGGAAG AAGGAGAAAA CTCCAGTCTG GTAGCCCCA CTGAGGACCC ATCCAGAAG
9352 ATGACTGTAT CACACATTGA AGGCTATGAA TGTCAACCTA TCTTCTTAA TGTCTGGAA
9292 GCCATTGAGC CAGGAGTGGT GTGTGCCGGA CATGACAACA ACCAGCCTGA TTCCTTTGCT
9232 GCCTTGTTAT CTAGTCTCAA CGAGCTTGGC GAGAGACAGC TTGTACATGT GGTCAAGTGG
9172 GCCAAGGCCT TGCCTGGCTT CCGCAACTTG CATGTGGATG ACCAGATGGC AGTCATTGAG
9112 TATTCTGGA TGGGACTGAT GGTATTTGCC ATGGGTTGGC GGTCTTCAC TAATGTCAAC
9052 TCTAGGATGC TCTACTTTGC ACCTGACCTG GTTTTCAATG AGTATCGCAT GCACAAGTCT
8992 CGAATGTACA GCCAGTGCGT GAGGATGAGG CACCTTTCTC AAGAGTTTGG ATGGCTCCAG
8932 ATAACCCCCC AGGAATTCCT GTGCATGAAA GCACTGCTAC TCTTCAGCAT TATTCCAGTG
8872 GATGGGCTGA AAAATCAAAA ATTCCTTGAT GAACTTCGAA TGAACATCAT CAAGGAACTT
8812 GATCGCATCA TTGCATGCAA AAGAAAAAAT CCCACATCCT GCTCAAGGCG CTCTACCAG
8752 CTCACCAAGC TCCTGGATTG TGTGCAGCCT ATTGCAAGAG AGCTGCATCA ATTCATTTT
8692 GACCTGCTAA TCAAGTCCCA TATGGTGAGC GTGGACTTTC CTGAAATGAT GGCAGAGATC
8632 ATCTCTGTGC AAGTGCCCAA GATCCTTTCT GGGAAAGTCA AGCCCATCTA TTTCCACACA
8572 CAGTGA

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FIG. 5


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977 TAGTTATTAA TAGTAATCAA TTACGGGGTC ATTAGTTCAT AGCCCATATA TGGAGTTCGG
917 CGTTACATAA CTTACGGTAA ATGGCCCGCC TGGCTGACCG CCCAACGACC CCCGCCCAT
857 GACGTCAATA ATGACGTATG TTCCCATAGT AACGCCAATA GGGACTTTCC ATTGACGTCA
797 ATGGGTGGAG TATTTACGGT AAAC TGCCCA CTTGGCAGTA CATCAAGTGT ATCATATGCC
737 AAGTACGCCC CCTATTGACG TCAATGACGG TAAATGGCCC GCCTGGCATT ATGCCCAGTA
677 CATGACCTTA TGGGACTTTC CTACTTGGCA GTACATCTAC GTATTAGTCA TCGCTATTAC
617 CATGGTGATG CGGTTTTGGC AGTACATCAA TGGGCGTGGA TAGCGGTTTG ACTCACGGGG
557 ATTTCCAAGT CTCCACCCCA TTGACGTCAA TGGGAGTTTG TTTTGGCACC AAAATCAACG
497 GGA CTTCCA AAATGTCGTA ACAACTCCGC CCCATTGACG CAAATGGGCG GTAGGCGTGT
437 ACGGTGGGAG GTCTATATAA GCAGAGCTGG TTTAGTGAAC CGTCAGATC
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FIG. 6

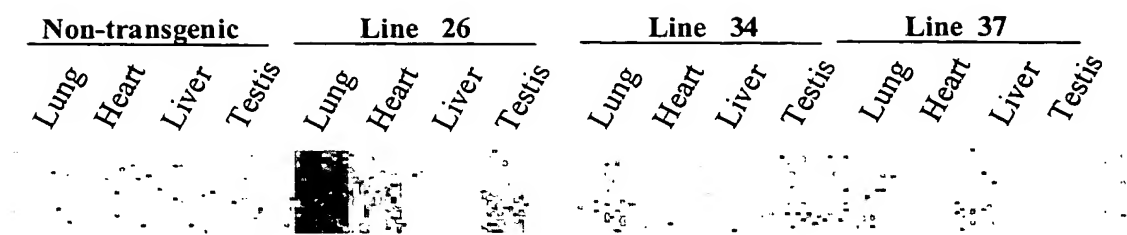


FIG. 7

FIG. 8A

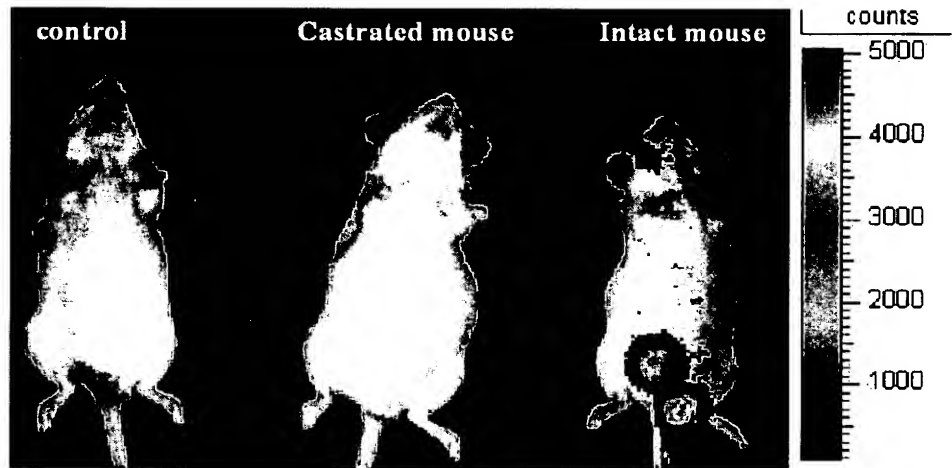
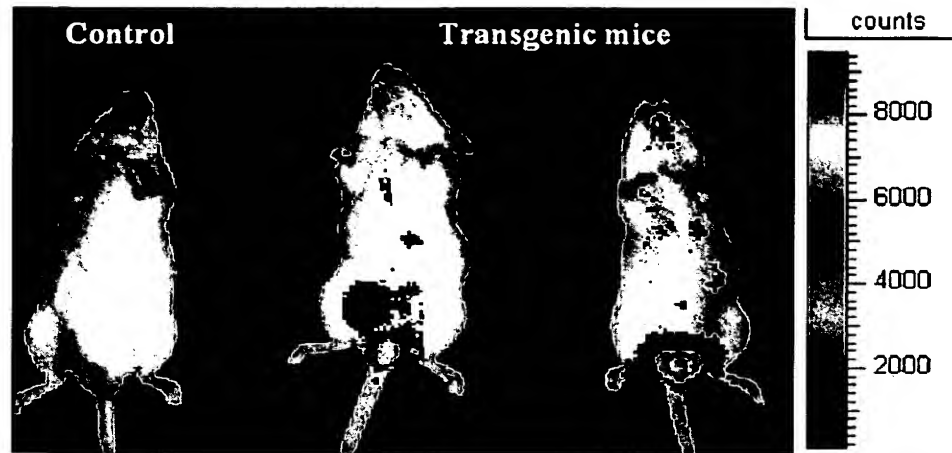


FIG. 8B

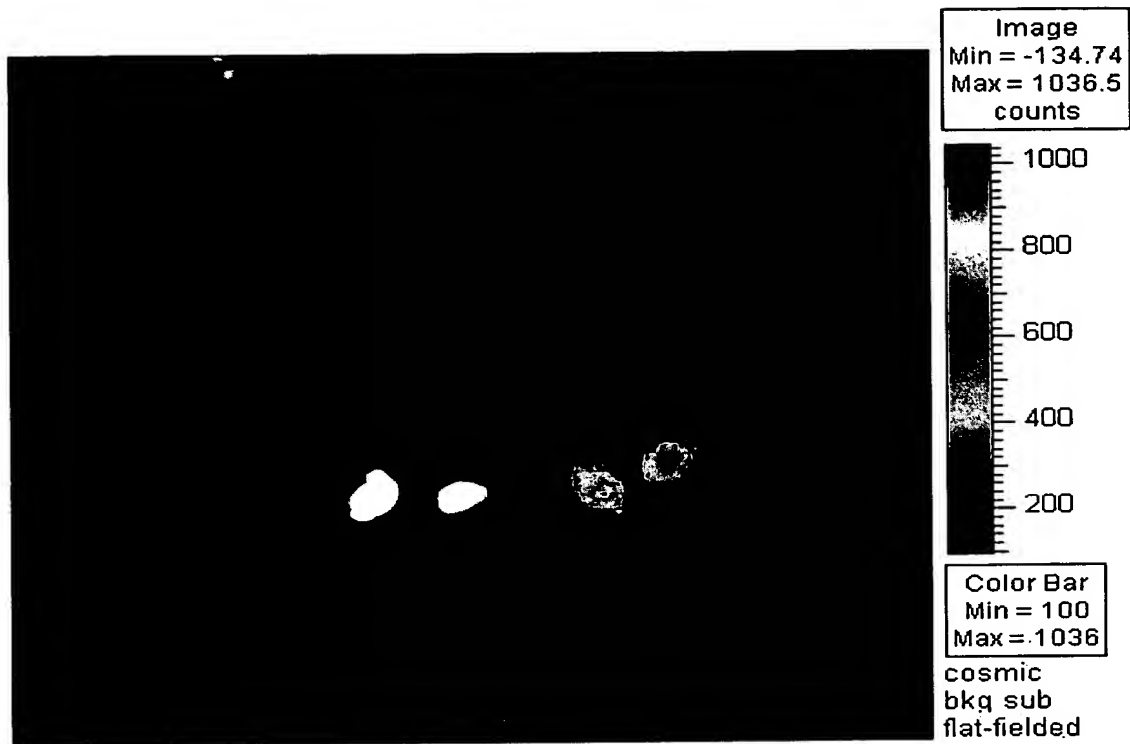


FIG. 9

FIG. 10A

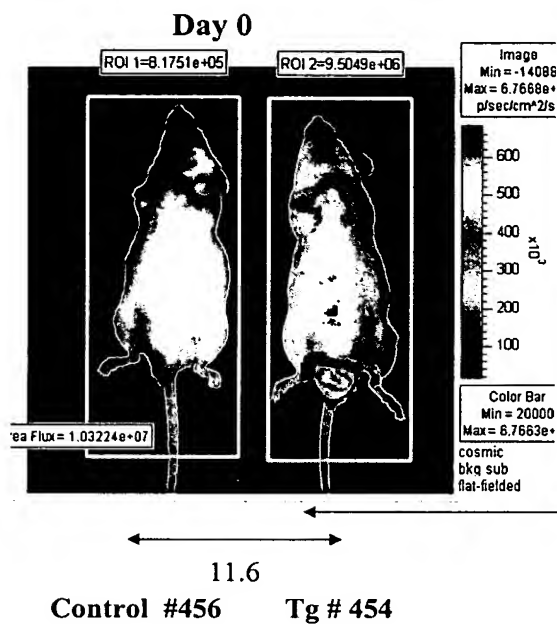


FIG. 10B

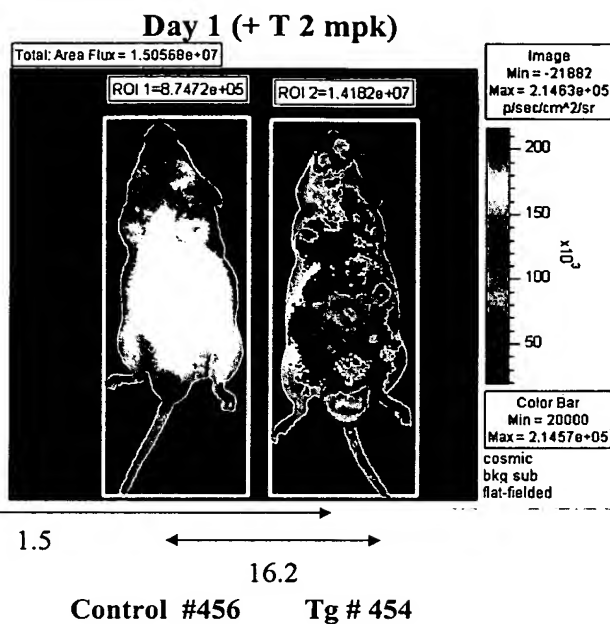


FIG. 10C

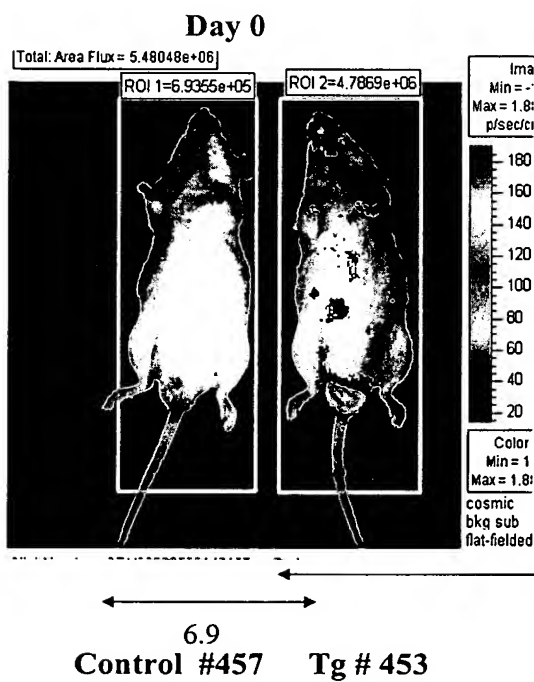
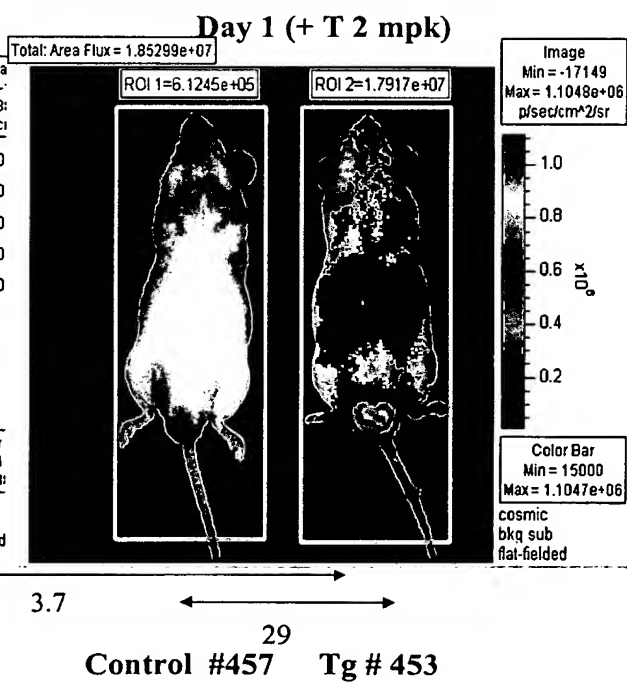


FIG. 10D



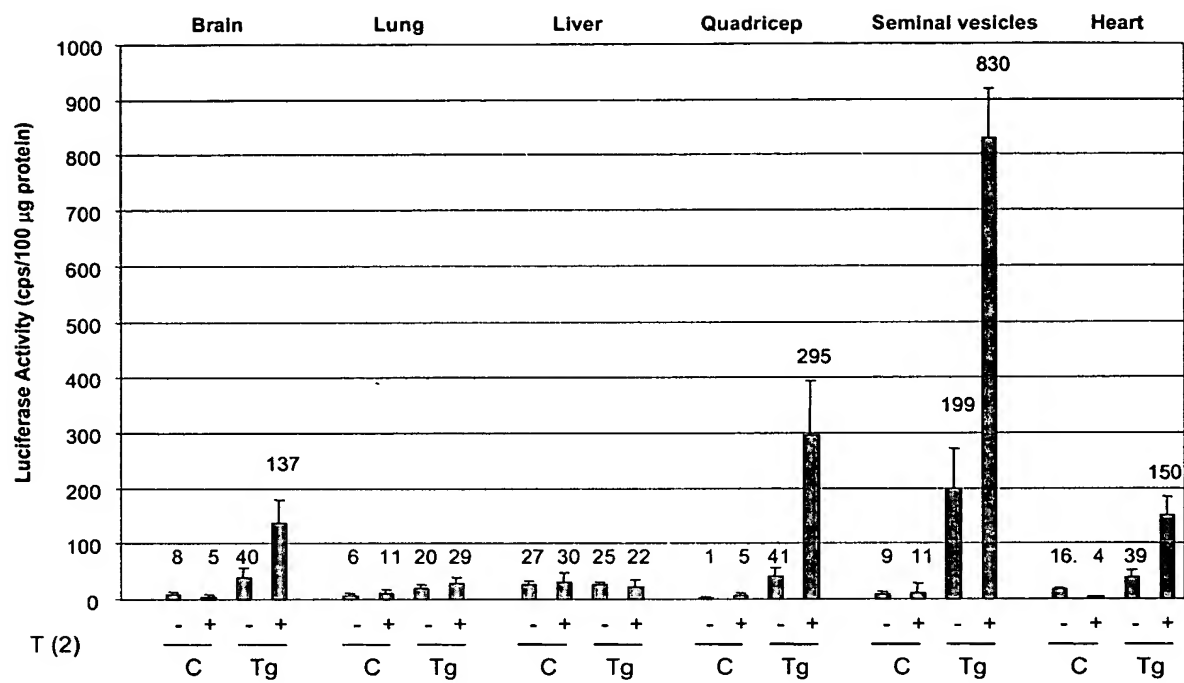


FIG. 11

FIG. 12